

INTELLOFAX 7

## INFORMATION REPORT

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SUBJECT Martin Smelting Furnace and Rolling Mill  
at Kramatorsk

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SUPPLEMENT TO  
REPORT NO.

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### Location

1. A Martin smelting furnace and rolling mill is located at Kramatorsk, about 300m east of the railway station and southeast of the center of the city.

### History

2. The origin of the factory was not known to the informant. The factory appears to be of the time following the first World War.

### Administration

3. The management of the factory is in the hands of a civilian director. Military personnel of high rank made infrequent visits to the factory.

### Equipment

4. The technical equipment of the installation, according to the informant, is unusual. Numerous electric cranes were set up in 1946-48 in both shops of the rolling mill, also two cranes in the Martin installation, and the electromagnetic installation near the Martin furnaces. The technical equipment was always such that the sections which were in operation could keep going at full speed. Further technical improvements are being worked on continuously. Machine equipment also is ready for use, all of which bears a German trademark.

### Area

5. The size of the factory compound is approximately  $1\frac{1}{2}$  km by 1 km. The area is not too closely built up; however, there probably are plans in prospect for a substantial expansion of the installation.

### Installations

6. The factory has three smelting furnaces, two of which go back to the Soviet occupancy, and one to the time of the German occupation. The old furnaces are about 25x25m and 35-40m high. The furnace set up by the Germans is somewhat smaller in its dimensions. The furnaces have been

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erected near each other at a distance of approximately 15m. Smelting furnace I (see sketch), which was built by the Germans, had not yet been put in operation in November 1948. Furnace II was and is in operation. Furnace III is to be dismantled, since at the time of the German retreat it was filled and heated but not drained off, with the result that all of the smelted metal now forms an inseparable part of the furnace. Four rather small boilers, similar to illuminating gas boilers and about 4m in diameter, which are connected with the furnace installation, are located 30m from the smelting furnaces. The material storage bunker and the material open storage also belong to the furnace installation. Crude ore and unfinished material such as coke, metal chips, slag (to be smelted again in Martin furnaces), manganese ore, and dolomite are stored here for smelting. By means of a slanting hoist, the materials are forwarded to oven II, the only one which is now in operation.

7. The coke battery and its installations cover an area 100x25m and, according to reports, should produce more coke than the present smelting requires. Considerable amounts are reportedly sent to nearby foundries. When the other two furnaces are running, however, the coke capacity should be just enough to meet their own needs.
8. The Martin furnaces are in the western part of the complex, about 50m north of the main rail branch line which traverses . . . The informant remembers four or five Martin furnaces . . . At various times one of the furnaces would be shut down in order to replace the old furnace linings. Martin furnaces are 6x8m and 3 to 3.5 m high. The space between each furnace could be about 3m.
9. Two rolling mills, shops at least 150m long and of very considerable width, are located 300m north of the Martin furnaces.
10. The foundry workshop, a building about 150x50m, is given over to the casting of steel.
11. The shops for rough castings are in the southwestern part of the compound. The two shops are roomy, about 50x25m, and joined together by a gangway. The metal is tipped and poured into prepared molds here, goes through a wash, and then, for the most part, is loaded right on the spot in bar form for further exportation.
12. The power station, about 100x50m, has several storerooms and provides all of the factory's electric current. The boiler installations, at present, have only one chimney at their disposal. The installation, however, is to be further expanded.
13. The locomotive shed, at least 120m long with several entrances, gives shelter to about 20 factory locomotives and is joined to a repair shop.
14. In the factory compound, there is another factory for production of cross-cement and cement blocks, as well as an enterprise for making use of slag under the name of Kaprovi. The use of slag for industrial purposes is to be further improved.

#### Production

15. The rolling mill is engaged in the production of thin metal sheets, metal plates, and malleable iron such as that in wires of various thicknesses. The Martin steel was manufactured in thick blocks 150x20x20 cm, which, according to informant, were taken by rail to another factory for further processing.

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Personnel

16. Approximately 5000-6000 workers and 500 German GIs are employed in the three eight-hour shifts.

Security

17. The guarding of the factory is especially strict. There are only three entrances. The guard is strict at the gates. The factory guard performs simultaneously the duty of fire brigade.

Transportation

18. A complete network of branch lines connects all of the important objectives of the compound.

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